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UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF AGRICULTURAL ECONOMICS

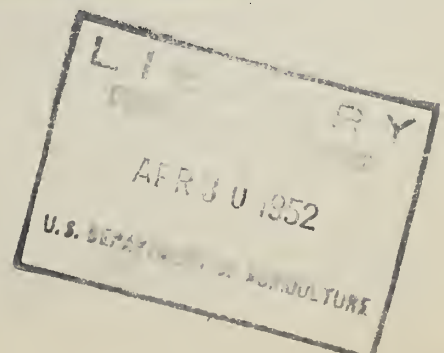
CROP REPORTING BOARD

FARM PRODUCTION, DISPOSITION, AND INCOME FROM MILK, 1950-51



WASHINGTON, D. C.

APRIL 1952



REVISIONS OF THE ESTIMATES

The estimates of milk production and related items for the 1940-50 period shown in this publication are revised estimates. These revisions have been based principally on new information provided by the 1950 Census and a considerable accumulation of data on commercial milk supplies in recent years. Every fifth year, the Census takers visit individual farms and enumerate items of agricultural inventory and production. When totals from the census become available, the Department of Agriculture's estimates of agricultural output, which have been projected forward through the intercensal years on a sample basis are reviewed, and if changes appear necessary on the basis of the more complete information, the estimates are adjusted or "revised". 1/

The 1950 Census brought to light some sharp postwar changes in the farm dairy industry. Most drastic was the decline of 19 percent in the number of farms keeping milk cows over the period from 1944 to 1950. Original estimates of numbers of milk cows on farms prepared on the basis of sample data had allowed for a reduction of $11\frac{1}{2}$ percent in milk cows during the 6-year period. After reviewing the results of the 1950 Census, the estimates of milk cow numbers for 1950 were reduced by an additional $3\frac{1}{2}$ percent. Much of the necessity for the revision appears to have been the lack of sufficient current information on number of farms keeping milk cows. Analysis of new information on milk production per cow from the census and other sources resulted in only small changes, with the National average for 1950 revised upward 22 pounds per cow, or less than half of one percent. As a result of the downward revision in milk cows, estimated milk production on farms in 1950 was reduced by about 3 percent, or 4 billion pounds.

Estimates of farmers' disposition of milk likewise were affected by the new information from the 1950 Census. The sharp reduction in number of farms with milk cows and consequent smaller population on farms producing milk made necessary a material reduction in estimates of the quantity of milk consumed as fluid milk and cream on farms where produced. This decrease accounted for about two-thirds of the total reduction in farm milk production. A careful review of check data on sales of milk and cream by farmers, including not only census reported figures, but also information on receipts and utilization of milk and cream at dairy plants suggested only a small reduction from the original estimates in the volume of milk and cream sold by farmers. National estimates of milk and cream sold by farmers in 1950 (milk equivalent basis) were adjusted downward about 1 percent, or 1 billion pounds. Census information relating to butter churned on farms resulted in a downward revision of 4 percent in the National estimate.

The revised estimates of milk production on farms and new information with respect to the utilization of milk that has become available in recent years are reflected in Table 9 on supply and utilization of milk. On the supply side this table included previously the estimates of milk produced on farms together with an allowance of 2,826 million pounds for milk produced by milk cows not on farms. Recent supply and utilization data indicate that the allowance previously carried for milk production by cows not on farms, 2,826 million pounds, was much too high to be realistic. The 1920 Census enumerated 1,220,564 dairy cows not on farms, and estimates for 1930 based on counts in sample counties showed 670,500 milk cows and 2,826 million pounds of milk produced by these "town" cows. With no information available since 1930, the quantity estimated for 1930 was previously carried forward as a constant figure from 1930 through 1950. However, it is probable that by 1950 production by town cows had decreased to not more than 1 billion pounds of milk. Therefore, the allowance previously carried for milk production by cows not on farms has been dropped out of the current table.

On the utilization side, the table previously included estimates of milk used on farms where produced, commercial uses as represented by milk equivalents of manufactured dairy products and estimated consumption of fluid milk and cream in cities and villages, and a residual representing the difference between the total supply and the uses shown. Analysis of information recently brought together indicates that the level of consumption of fluid milk and cream in cities and villages as estimated previously has been too high. During the wartime period of food control, information became available on sales of fluid milk and cream in cities where War Food Order 79 was in effect. A special study of this material for the year 1944, together with information for smaller towns and cities from other sources, was inaugurated in 1948, with funds available under the Research and Marketing Act, to determine more closely the level of nonfarm consumption of fluid milk and cream. Preliminary results of this study definitely suggest a lower level of nonfarm fluid milk and cream consumption than that indicated by estimates from other sources, with the possibility that the entire consumption series needs to be revised at least back to 1929.

Because of the necessity for further analysis of the consumption series, the utilization side of the balance table published at this time includes only the milk equivalents of manufactured dairy products and the utilization of milk on farms where produced. The difference between farm production and the specified uses has been lumped together under "other uses". Included in these other uses are fluid milk and cream consumption in cities and villages on farms not producing milk, together with the net effects of production by nonfarm cows, miscellaneous minor uses not specified separately, and any residual errors of the independently shown estimates on both the production and utilization sides of the table.

1/ A more detailed discussion of revisions and the 1950 Census information will be found in United States Department of Agriculture Statistical Bulletin No. 110 entitled Farm Production, Disposition, and Income from Milk, revised estimates, by States, 1940-49, which is available on request.

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FARM PRODUCTION, DISPOSITION, AND INCOME FROM MILK 1950-51 1/

Contents

	<u>Page</u>
Discussion	
Summary	1
Milk production on farms	2
Farmers' disposition of milk	4
Farm income from dairy products	4
Supply and utilization of milk	5
Tables	
Milk cows and milk production by States, 1950-51	3
Production and disposition of milk, U. S., 1924-51	6
By States, 1950	8
By States, 1951	10
Sales of dairy products, income, U. S., 1924-51	7
By States, 1950	9
By States, 1951	11
Monthly milk production, U. S., 1924-51	12
By States, 1940-49 average and 1950-51	13-14
Supply and utilization of milk, U. S., 1940-51	12
Number of farms reporting dairy items, 1950	15

SUMMARY

Milk production on farms in 1951 totaled 115.6 billion pounds, 1 percent less than in 1950, and about the same as a decade ago. Milk cows on farms totaled 21.7 million head, the smallest annual number since 1929. Average milk production per cow reached a new high record of 5,326 pounds. Farmers used 17.6 billion pounds of milk on farms where produced for household consumption and feeding calves. The other 98.0 billion pounds were utilized for products sold. Whole milk sold by farmers to dairy plants in 1951 reached a new high of 74.6 billion pounds, but cream sold to plants, retail sales by farmers, and farm-churned butter sold were the smallest in 28 years of record. Prices received by farmers for dairy products in 1951 were exceeded only in 1948. Average returns of \$4.38 per hundred pounds for milk used in products sold were about 17 percent more than in 1950. Farmers cash receipts from milk, cream, and butter marketed in 1951 totaled 4,290 million dollars in 1951, compared with 3,719 million dollars in 1950. Milk products consumed on farms where produced were valued at 673 million dollars, bringing the 1951 gross farm income from dairy products to 4,964 million dollars. Output of factory products absorbed 45 percent of the milk produced, farm uses 15 percent, and other uses, chiefly nonfarm fluid consumption, 40 percent. In 1950, 3,648 thousand farms had milk cows, 1,097 thousand sold whole milk, 862 thousand sold cream, but only 601 thousand were considered "dairy" farms, according to the Census of Agriculture.

1/ Prepared by John L. Wilson and Herbert M. Walters, Agricultural Statisticians, under the general direction of B. H. Bennett, Head, Division of Dairy Statistics.

Milk production on United States farms in 1951 is estimated at 115.6 billion pounds, down 1.0 billion pounds from 1950 and 4.2 billion pounds below the record output of 119.8 billion pounds established in 1945. Production in 1951, while the second smallest since 1941, exceeded the 1948 recent-year low by almost 3 billion pounds and was well above any annual output prior to World War II. Milk production per cow in 1951 averaged 5,326 pounds, a record high. Since 1944 output per cow has increased progressively and by 1951 was 16 percent above the 1944 level. Butterfat production per cow in 1951 averaged 211 pounds, also a new record high. The number of milk cows on United States farms in 1951 averaged 21,705,000 -- the smallest annual number since 1929. Milk cow numbers were 1 percent less than in 1950 and 15 percent less than the record high of 25.6 million on farms in 1944.

In 33 States milk production was lower in 1951 than in 1950, and in 15 it was higher. In all regions except the East North Central and South Atlantic, farm milk production was down. Sharpest decreases were in the South Central Region where Texas and Oklahoma recorded drops of 6 and 8 percent respectively. Four other States in the area showed moderate declines. Production in the West North Central Region in 1951 was 2 percent below 1950, with decreases in all States except North Dakota. Production showed a 1 percent gain in the East North Central States, where 3 of the 5 States showed increases, including a 3 percent gain in Wisconsin.

California High on Milk Per Cow

Production per cow continued to increase over the Nation, with 22 of the 48 States setting new record highs in 1951. With an average of 7,700 pounds, California continued to lead all other States in production per cow. New Jersey was second with 7,510 pounds per cow, followed by Rhode Island and Wisconsin with 7,280 and 7,010 pounds respectively. Principal factors in the continued increase in production were close culling, better feeding practices, and improved breeding due, in part, to expansion of artificial insemination.

In 1951 milk cow numbers were lower than in 1950 in all regions, except the South Atlantic. In the important North Central Region, milk cow numbers were down about 1½ percent, with all States except Wisconsin and Missouri sharing in the drop. Substantial decreases in this area included 4 percent in Illinois and Nebraska and 3 percent in South Dakota and Iowa. Declines shown by other regions were: North Atlantic, 1 percent; South Central, 1 percent; and West, 2 percent. The only regional increase was in the South Atlantic where annual milk cow numbers were up 1 percent from 1950. Three of the 8 States in this area showed increases of 3 percent, and 3 others showed gains of smaller magnitude. Increases were also recorded in 4 of the 8 South Central States, including Alabama with a 3 percent gain, and Louisiana where the rise was 5 percent. Estimates of milk cows and milk production by States for 1950 and 1951 are shown in table 1 and for the United States, 1924-51, in table 2.

One-sixth of Butter Churned on Farms

Farm butter production in 1951 is estimated at 249 million pounds, 5 percent less than in 1950 and only two-fifths as much as 25 years ago. However, creamery butter production also has been declining, so that in 1951 about 17 percent of the total butter was still churned on farms. Milk used to make farm-churned butter in 1951 amounted to 4.9 million pounds, slightly more than 4 percent of the total produced on farms. This is considerably less than the 13.2 million pounds of milk used for farm butter in 1924, when about 15 percent of the milk produced was used for this purpose.

In the Southern States production of farm-churned butter continues to be important. The South Atlantic and South Central Regions produced three-fourths of our total farm butter. Farm butter utilized the butterfat from over 3.6 million pounds of whole milk or 16 percent of the milk produced in those States. Alabama led in farm butter production with 25.5 million pounds, followed by North Carolina and Texas.

Whole Milk Sales Set New Record High, Sales of Cream Down

Whole milk sold or utilized in dairy products sold from farms in 1951 amounted to 98.0 billion pounds, down 1.1 billion pounds from 1950. Of this total, 74.6 billion pounds was sold from the farm as whole milk to plants and dealers for processing and redistribution

Table 1.—Milk Cows and Milk Production on Farms, by States, 1950 and 1951

State and Division	Milk cows on farms 1/		Milk production per cow 2/		Total milk production on farms 2/		
	1950 3/	1951 4/	1950 3/	1951 4/	1950 3/	1951 4/	1951 as percent of 1950
	Thousands		Pounds		Million pounds		Percent
Me.	109	105	5,700	5,870	621	616	99
N. H.	61	58	5,640	5,800	344	336	98
Vt.	257	250	5,900	5,980	1,516	1,495	99
Mass.	120	118	6,500	6,600	780	779	100
R. I.	19	19	7,200	7,280	137	138	101
Conn.	108	108	6,450	6,480	697	700	100
N. Y.	1,300	1,292	6,810	6,820	8,853	8,811	100
N. J.	153	151	7,450	7,510	1,140	1,134	99
Pa.	891	891	6,320	6,310	5,631	5,622	100
N. Atl.	3,018	2,992	6,534	6,561	19,719	19,631	99.6
Ohio	945	934	5,580	5,530	5,273	5,165	98
Ind.	693	681	5,350	5,500	3,708	3,746	101
Ill.	925	892	5,630	5,680	5,208	5,067	97
Mich.	863	854	6,280	6,410	5,420	5,474	101
Wis.	2,160	2,170	6,850	7,010	14,796	15,212	103
E. N. Cent.	5,586	5,531	6,159	6,267	34,405	34,664	100.8
Minn.	1,349	1,317	5,980	6,030	8,067	7,942	98
Iowa	1,124	1,088	5,490	5,420	6,171	5,897	96
Mo.	939	942	4,400	4,370	4,132	4,117	100
N. Dak.	375	368	4,530	4,620	1,699	1,700	100
S. Dak.	333	323	4,210	4,300	1,402	1,389	99
Nebr.	462	444	4,870	4,840	2,250	2,149	96
Kans.	560	553	4,550	4,480	2,548	2,477	97
W. N. Cent.	5,142	5,035	5,109	5,099	26,269	25,671	97.7
Del.	35	36	5,300	5,300	186	191	103
Md.	224	230	5,600	5,500	1,254	1,265	101
Va.	440	435	4,490	4,540	1,976	1,975	100
W. Va.	210	207	3,970	3,920	834	811	97
N. C.	350	357	4,460	4,450	1,561	1,589	102
S. C.	146	150	3,810	3,750	556	562	101
Ga.	328	330	3,580	3,530	1,174	1,165	99
Fla.	136	137	4,400	4,400	598	603	101
S. Atl.	1,869	1,882	4,355	4,336	8,139	8,161	100.3
Ky.	601	598	4,040	3,960	2,428	2,368	98
Tenn.	626	628	3,720	3,680	2,329	2,311	99
Ala.	362	372	3,570	3,440	1,292	1,280	99
Miss.	510	516	2,790	2,780	1,423	1,434	101
Ark.	400	394	3,230	3,180	1,292	1,253	97
La.	282	296	2,550	2,470	719	731	102
Okla.	541	517	3,680	3,560	1,991	1,841	92
Tex.	1,018	988	3,390	3,300	3,451	3,260	94
S. Cent.	4,340	4,309	3,439	3,360	14,925	14,478	97.0
Mont.	114	110	4,960	4,990	565	549	97
Idaho	190	186	6,300	6,240	1,197	1,161	97
Wyo.	46	44	5,200	5,250	239	231	97
Colo.	174	169	5,300	5,350	922	904	98
N. Mex.	53	50	4,060	4,200	215	210	98
Ariz.	46	46	5,900	5,800	271	267	99
Utah	100	100	6,550	6,570	655	657	100
Nev.	15	14	6,050	6,100	91	85	93
Wash.	263	253	6,640	6,720	1,746	1,700	97
Oreg.	211	203	5,940	5,950	1,253	1,208	96
Calif.	777	781	7,710	7,700	5,991	6,014	100
West.	1,989	1,956	6,609	6,639	13,145	12,986	98.8
U. S.	21,944	21,705	5,314	5,326	116,602	115,591	99.1

1/ Average number on farms during year, heifers that have not freshened excluded.

2/ Excludes milk sucked by calves and milk produced by cows not on farms.

3/ Revised. 4/ Preliminary.

in fluid channels or for manufacturing into dairy products. Whole milk sales in 1951 represented a record total, exceeding the 1950 previous high by 400 million pounds. In the last decade whole milk sales to plants and dealers have increased 43 percent, and in the 28 years of record have almost tripled. On the other hand, sales of farm-separated cream to plants and dealers have decreased about 44 percent since 1941, and in 1951 were down to about half the record high set in 1933. Sales of farm-skimmed cream to plants and dealers in 1951 accounted for 19.0 billion pounds of milk, 1.2 billion pounds or 6 percent less than in 1950. Retail sales of milk and cream by farmers direct to consumers aggregated 3.8 billion pounds of whole milk in 1951. This total represents a 3 percent decrease from 1950, continuing the long time decline. Farm-churned butter sold accounted for about 600 million pounds of milk, 13 percent less than in 1950 and the smallest volume for this purpose in many years.

The quantity of milk utilized on farms where produced in 1951 is estimated at 17.6 billion pounds, practically unchanged from 1950. Milk and cream consumed in farm households accounted for 9.8 billion pounds. Farm-churned butter consumed at home represented another 4.3 billion pounds of milk, and calves were fed 3.5 billion pounds of whole milk.

Cash Receipts Second to 1948

Farmers' cash receipts from marketings of dairy products in 1951 amounted to \$4,290,299,000 -- the second largest cash return for dairy products in over a quarter century of records. The 1951 total was up 15 percent from 1950, but is still 2 percent below the record total of \$4,389,357,000 in 1948. Farmers' cash receipts from dairy products represent the combined value of the milk, cream, and farm-churned butter sold. As such, the cash receipts from sales should not be used as a measure of profitability of dairying, since production expenses in 1951 were higher than in 1950.

Whole milk sold to plants and dealers continued to be the principal source of income to dairy farmers, representing almost 80 percent of the cash return from dairy products in 1951. Farmers sold 74.6 billion pounds of whole milk to plants and dealers at an average price of \$4.58 per hundred pounds, and obtained a cash return of \$3,417,986,000. Since the volume of whole milk sold was up slightly from 1950, and prices averaged 69 cents per hundred-weight higher, the 1951 cash receipts from sales of whole milk rose about one-fifth from the previous year. Cash receipts from sales of farm-skimmed cream also increased in 1951 as higher prices for butterfat more than offset the decrease in total pounds sold. Butterfat in farm-separated cream which was sold to plants and dealers in 1951 totaled 714 million pounds, and prices averaged 70 cents per pound, bringing farmers a total cash return of \$499,533,000, 6 percent more than in 1950. Farmers' retail sales of milk and cream direct to consumers in 1951 aggregated 1,775 million quarts of milk at 19.9 cents per quart, bringing cash returns of \$353,681,000 compared with \$339,372,000 in 1950. As the higher price per pound for farm butter in 1951 did not quite offset the drop in volume sold, total cash receipts for this product dropped 7 percent below 1950. Sales of farm butter in 1951 totaled 31,435,000 pounds, which at 60.8 cents per pound brought farmers a total return of \$19,099,000. Data on volume and value of milk products sold by farmers in the United States for the period 1924-1951 are shown in table 3.

Wisconsin Still Dairyland

Wisconsin again topped all States in cash receipts from farm marketings of dairy products. The 1951 cash return to Wisconsin dairy farmers totaled 543 million dollars -- one-eighth of the National total. New York was the second ranking State with 390 million dollars, followed by California with 281 million dollars and Pennsylvania with 266 million dollars. Wisconsin likewise continued to lead in total farm receipts from whole milk sold to plants and dealers with 525 million dollars, followed by New York with 368 million, California with 247 million, and Pennsylvania with 239 million dollars.

Iowa led all States in cash receipts from marketings of farm-skimmed cream with 108 million dollars, followed by Minnesota with 92 million dollars. Receipts for these two States accounted for 40 percent of the National total income from sale of cream. In Nebraska, now the third ranking State, farmers received 33 million dollars from sales of cream. Retail sales of milk and cream by farmers direct to consumers returned California farmers 32 million dollars, to lead all States. Pennsylvania was second with 22 million dollars, and New York and Texas were next with 19 million dollars each. Texas again led in receipts from sale of farm-churned butter with 2 million dollars, followed in order by North Carolina, Pennsylvania and Georgia.

Unit Returns from Sale of Dairy Products up Sharply

The average return to farmers per hundred pounds of whole milk utilized in dairy products sold was \$4.38 in 1951 compared to \$3.75 a year earlier. This value is a composite price of all

milk utilized in milk, cream, and butter marketed from the farm. Average returns by States vary according to the level of prices for different types of products and the proportion of the various products sold. In 1951, State average returns per 100 pounds of milk in dairy products sold varied from a low of \$2.78 in North Dakota to a high of \$7.20 in Florida. Milk retailed by farmers provided the highest return of any type of milk product sold from farms, averaging \$9.26 per 100 pounds. This compares with a \$4.58 per hundred pounds for whole milk sold to plants and dealers, \$3.06 for whole milk used for making farm butter, and \$2.64 for milk skimmed for sale as cream.

Value of Milk Consumed in Farm Households up Sharply

The value of milk, cream and farm butter consumed in the household on farms where produced in 1951 totaled \$673,473,000, up 13 percent from 1950. The volume of milk utilized in these products was down 1 percent, but the sharp increase in unit value boosted the total value. Products consumed in farm households in a particular State are evaluated by multiplying the milk used to make the products by the average returns per hundred pounds received for milk in products sold in that State.

The value of dairy products consumed in farm households was up in every region. The Southern States, with a large farm population and a high consumption of farm butter, continued to lead in value of milk products consumed in households on farms where produced. The South Atlantic and South Central Regions combined account for 60 percent of the National total. Texas was first among the States in value of products consumed on farms where produced, followed by North Carolina and Alabama. Data on value of farm consumption by States in 1951 are contained in table 7.

The National gross farm income from milk in 1951, which includes cash receipts from dairy products sold from farms and the value of dairy products consumed on farms where produced aggregated \$4,963,772,000, the second highest in the 28 years of record. This is a 15 percent increase over the 1950 total but is 4 percent under the 1948 record high of \$5,155,458,000.

Factory Products Take 45 Percent of Milk

Of the milk produced on farms in 1951, 15 percent was used on farms where produced, 45 percent was used in production of manufactured dairy products, and 40 percent went into other commercial uses. Butter-making operations on farms utilized the fat from 4 percent of the milk produced, consumption of fluid whole milk and cream on farms where produced accounted for 8 percent, and whole milk fed to calves, 3 percent. Among the factory products, creamery butter production utilized 21 percent of the total milk production, cheese used, 10 percent, and evaporated, condensed, and dry milk products, 7 percent. On a gross basis, frozen dairy products made in plants used fat from 7 percent of the milk produced, but net usage of milk and cream in these products excluding duplications was equivalent to only 6 percent. The proportion of total milk production not accounted for in factory and farm uses -- 40 percent -- was used for other purposes including fluid milk and cream consumption by nonfarm population, miscellaneous minor uses, and unaccounted for items.

The 115.6 billion pounds of milk produced on farms in 1951 was virtually unchanged from a decade earlier. However, milk used in factory dairy products decreased from 60 billion pounds in 1941 to 52 billion pounds in 1951, a net reduction of 8 billion pounds. Sharp shifts among factory products were also evident. Creamery butter utilized 13 billion pounds less milk in 1951 than a decade earlier, but cheese required 2 billion pounds more milk, frozen dairy products about 2½ billion pounds more, and evaporated, condensed, and dry milk products about the same amount as in 1941. Farm uses, including farm-churned butter, household consumption, and feeding calves, declined about 5 billion pounds during the decade. The decreases in factory and farm utilization, however, were offset by increases in other uses, mainly fluid milk and cream consumption by the steadily expanding nonfarm population. Data on supply and utilization of milk, 1940-51, are shown in table 9.

Milk Cows on Two-thirds of Farms

Of the 5,382 thousand farms in the United States, 3,648 thousand or 68 percent had milk cows, according to results of the 1950 Census of Agriculture. Milk or milk products were sold from about 2 million farms, or about 55 percent of the farms with milk cows. On the other 45 percent of the farms, milk cows were kept only for supplying the farm family with milk, cream, or home-made butter. Farms reporting whole milk sold in 1949 totaled 1,097 thousand, and those selling cream totaled 862 thousand. However, on the basis of major source of income in 1949, only 601 thousand farms were classified by the Census Bureau as "dairy" farms, or about 11 percent of the Nation's total farms. Data on 1950 numbers of farms, by States, are shown in table 11.

Table 2.—Production and disposition of milk on farms, United States, 1924-51

Production of milk and milk products										Disposition of milk produced									
Year	Number of milk cows on farms 1/	Production per milk cow 2/		Percent- age of butter- fat in milk	Total production on farms 2/		Butter churned on farms		Milk fed or consumed on farms where produced			Milk sold or utilized for preparation of dairy products sold from farms							
		Milk	Butter- fat		Milk	Butter- fat	Milk used	Butter made	Fed to calves or cream	Consumed in the farm household	Total used on farms	For farm- churned butter sold	For deliveries to plants and dealers	For retail sales of milk and cream by farmers 3/	Total utilized for products sold				
	Thous.	Pounds	Pounds	Percent	Mil. lb.	Mil. lb.	Mil. lb.	Thous. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.			
1924	21,417	4,167	163.2	3.92	89,240	3,495	13,245	642,803	2,742	11,841	9,562	24,145	3,683	25,907	6,139	65,095			
1925	21,503	4,218	165.1	3.92	90,699	3,551	12,736	618,730	2,784	11,662	9,278	23,724	3,458	30,417	6,270	66,975			
1926	21,312	4,379	171.7	3.92	93,325	3,659	12,734	620,320	2,858	11,506	9,370	23,734	3,364	32,123	27,707	69,591			
1927	21,191	4,491	176.2	3.92	95,172	3,734	12,436	607,245	2,901	11,315	9,214	23,430	3,222	33,355	28,600	71,742			
1928	21,223	4,516	177.3	3.93	95,843	3,762	11,793	577,040	2,944	11,207	8,799	22,950	2,994	32,814	30,367	72,893			
1929	21,618	4,579	179.7	3.92	98,988	3,884	11,046	542,064	3,012	10,932	8,273	22,217	2,773	33,808	33,347	76,771			
1930	22,218	4,508	176.8	3.92	100,158	3,929	10,647	523,285	2,986	11,207	8,150	22,343	2,497	33,974	34,497	77,815			
1931	23,108	4,459	175.0	3.93	102,029	4,045	11,061	544,395	2,997	11,913	8,554	23,464	2,507	34,614	36,976	79,565			
1932	24,105	4,307	169.2	3.93	103,810	4,079	11,820	581,450	2,859	12,507	9,180	24,546	2,640	36,095	33,501	79,264			
1933	25,062	4,180	164.2	3.93	104,762	4,114	11,798	579,845	2,878	12,784	9,293	24,955	2,505	36,524	33,705	79,807			
1934	25,198	4,033	158.7	3.94	101,621	3,999	11,343	558,649	2,688	12,773	9,120	24,581	2,223	33,867	33,869	77,040			
1935	24,187	4,184	165.4	3.95	101,205	4,000	10,931	539,110	2,676	12,410	8,807	23,893	2,124	32,564	35,647	77,312			
1936	23,727	4,316	170.3	3.95	102,410	4,041	10,163	501,900	2,755	12,077	8,256	23,088	1,907	31,904	38,777	79,322			
1937	23,340	4,368	172.5	3.95	101,908	4,025	9,548	472,270	2,724	11,955	7,795	22,474	1,753	30,644	40,470	79,434			
1938	23,215	4,558	180.1	3.95	105,807	4,180	9,173	453,990	2,850	11,950	7,494	22,294	1,679	32,728	42,657	83,513			
1939	23,273	4,589	181.5	3.95	106,792	4,223	8,653	428,689	2,967	12,167	7,102	22,236	1,551	32,987	43,801	84,556			
1940 4/	23,671	4,622	183.5	3.97	109,412	4,343	8,129	402,690	2,994	12,063	6,688	21,745	1,441	32,965	47,152	87,667			
1941 4/	24,288	4,738	188.2	3.97	115,088	4,571	7,967	395,476	3,124	12,020	6,587	21,731	1,380	33,967	52,082	93,357			
1942 4/	25,027	4,735	188.0	3.97	118,533	4,704	7,365	366,370	3,294	11,856	6,127	21,277	1,238	31,080	59,076	97,256			
1943 4/	25,451	4,598	182.7	3.97	117,017	4,651	6,860	341,520	3,276	11,615	5,777	20,668	1,083	29,871	59,656	96,349			
1944 4/	25,597	4,572	181.9	3.98	117,023	4,657	6,621	329,848	3,258	11,688	5,594	20,530	1,037	26,026	63,680	96,493			
1945 4/	25,033	4,787	190.3	3.98	119,828	4,764	6,714	335,690	3,290	11,451	5,645	20,386	1,069	23,868	68,929	99,442			
1946 4/	24,089	4,886	194.2	3.97	117,697	4,677	6,557	330,650	3,228	11,562	5,486	20,276	1,071	21,379	69,619	97,421			
1947 4/	23,329	5,007	198.9	3.97	116,814	4,639	6,154	311,050	3,194	11,048	5,207	19,449	947	20,952	70,559	97,365			
1948 4/	22,545	5,042	200.4	3.97	112,671	4,478	5,808	293,290	3,064	10,505	4,937	18,506	871	19,712	69,010	94,155			
1949 4/	22,024	5,272	208.6	3.96	116,103	4,595	5,440	275,780	3,153	10,027	4,650	17,840	790	19,949	73,290	98,263			
1950 4/	21,944	5,314	210.4	3.96	116,602	4,618	5,160	261,520	3,286	9,808	4,442	17,536	718	20,208	74,205	99,066			
1951 5/	21,705	5,326	210.6	3.96	115,591	4,572	4,910	248,650	3,452	9,825	4,285	17,562	625	18,957	74,629	98,029			

1/ Average number on farms during year, heifers that have not freshened excluded.

2/ Excludes milk sucked by calves and milk produced by cows not on farms.

3/ Approximations based on source of fluid milk supplies in villages, towns, and small cities, as indicated by health officer reports, together with some information on production and sales by producers who distribute their milk directly to consumers.

4/ Revised.

5/ Preliminary.

Table 3.—Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, United States, 1924-51

Year	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk				Value of milk products consumed in household on farms where produced ^{2/}	Gross farm income from dairy products ^{3/}
	Quantity sold	Price per lb.	Value of sales	Quantity sold	Price per lb. butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns ^{1/}	Per 100 lb. butterfat	Value of sales (Receipts from farm market-ings)		
	1000 lb.	Cts.	1000 dol.	1000 lb.	Cts.	1000 dol.	1000 lb.	Dols.	1000 dol.	1000 lb.	Cts.	1000 dol.	1000 lb.	Dols.	Cts.	1000 dol.	1000 dol.	
1924	176,160	39.5	69,607	1,102,700	40.4	445,124	25,907	2.22	573,997	2,858	11.1	316,934	65,095	2.16	55.1	1,405,662	502,766	1,908,428
1925	165,630	40.5	67,116	1,141,700	42.4	483,821	26,830	2.38	638,137	2,914	11.2	325,651	66,975	2.26	57.7	1,514,725	506,402	2,021,127
1926	161,960	40.9	66,190	1,207,400	41.6	502,578	27,707	2.38	660,730	2,975	11.3	336,600	68,591	2.25	57.4	1,566,098	497,934	2,064,032
1927	155,410	41.5	64,529	1,285,000	44.5	569,005	28,600	2.51	717,841	3,053	11.3	343,781	71,742	2.35	59.9	1,686,156	500,138	2,186,294
1928	144,995	42.6	61,752	1,233,730	46.1	569,341	30,367	2.52	766,410	3,123	11.5	358,224	72,893	2.41	61.3	1,755,727	505,991	2,261,718
1929	135,045	42.2	56,992	1,271,120	45.2	574,259	33,347	2.53	842,182	3,188	11.5	355,056	76,771	2.39	61.0	1,838,489	485,312	2,323,801
1930	121,572	36.3	44,119	1,275,870	34.5	440,152	34,497	2.21	764,095	3,189	11.3	359,075	77,815	2.07	52.8	1,607,441	435,403	2,042,844
1931	122,352	27.2	33,321	1,332,560	24.8	329,863	34,614	1.69	584,488	3,244	10.1	329,063	79,565	1.60	40.7	1,276,735	366,216	1,642,951
1932	128,672	20.8	26,721	1,356,200	17.9	242,708	33,501	1.28	427,334	3,269	8.9	289,607	79,284	1.24	31.6	986,370	300,060	1,286,430
1933	122,015	20.1	24,533	1,371,050	18.8	257,549	33,705	1.30	439,179	3,288	8.6	282,945	79,807	1.26	32.1	1,004,206	305,292	1,309,498
1934	108,542	22.7	24,636	1,272,220	22.7	288,951	33,869	1.55	523,497	3,293	9.4	308,433	77,040	1.49	37.8	1,145,517	352,924	1,498,441
1935	103,970	26.7	27,766	1,223,560	28.1	343,457	35,647	1.74	620,951	3,243	9.8	318,030	77,312	1.69	42.8	1,310,204	386,026	1,696,230
1936	93,538	28.8	26,982	1,197,170	32.2	385,997	38,777	1.93	748,218	3,135	10.1	316,685	79,322	1.86	47.1	1,477,882	400,097	1,877,979
1937	86,332	29.6	25,548	1,151,270	33.3	382,801	40,470	1.97	796,068	3,056	10.5	320,354	79,434	1.92	48.6	1,524,771	406,214	1,930,985
1938	82,562	26.6	22,001	1,229,860	26.3	322,893	42,657	1.72	733,221	2,997	10.3	309,811	83,613	1.66	42.0	1,387,926	353,452	1,741,378
1939	76,363	25.0	19,113	1,237,940	23.9	295,456	43,801	1.68	734,703	2,890	10.3	296,250	84,556	1.59	40.3	1,345,522	341,302	1,686,824
1940 ^{4/}	70,779	26.6	18,857	1,247,130	28.0	349,733	47,152	1.82	858,445	2,845	10.3	294,317	87,667	1.74	43.8	1,521,352	358,885	1,880,237
1941 ^{4/}	68,018	30.4	20,685	1,284,890	34.2	439,769	52,062	2.19	1,140,628	2,768	10.8	298,754	93,357	2.04	51.4	1,899,836	404,088	2,303,924
1942 ^{4/}	61,056	35.2	21,515	1,173,950	39.6	464,975	59,076	2.58	1,521,246	2,728	11.8	322,015	97,256	2.40	60.5	2,329,751	459,952	2,789,703
1943 ^{4/}	53,426	43.7	23,359	1,127,300	48.9	562,028	59,656	3.12	1,869,540	2,669	12.7	340,266	96,349	2.89	72.8	2,785,193	543,723	3,328,916
1944 ^{4/}	51,315	43.8	22,463	983,370	50.3	494,795	63,680	3.21	2,044,059	2,676	13.2	353,802	96,493	3.02	75.9	2,915,119	556,697	3,471,816
1945 ^{4/}	53,016	45.3	24,001	903,020	50.3	453,942	68,929	3.19	2,195,915	2,595	13.4	347,408	99,442	3.04	76.4	3,021,266	554,095	3,575,361
1946 ^{4/}	53,636	58.5	31,245	806,070	64.3	518,133	69,619	3.99	2,780,034	2,493	15.2	379,580	97,421	3.81	96.0	3,708,992	683,667	4,392,659
1947 ^{4/}	47,665	65.3	30,153	791,730	71.8	568,620	70,559	4.27	3,014,759	2,285	17.5	399,022	97,365	4.12	103.8	4,012,554	725,608	4,738,162
1948 ^{4/}	43,805	66.7	29,206	744,220	79.9	594,475	69,010	4.88	3,364,385	2,130	18.8	401,291	94,165	4.66	117.4	4,389,357	766,101	5,155,458
1949 ^{4/}	39,845	58.0	23,108	752,830	61.6	463,965	73,290	3.95	2,895,555	1,971	18.6	355,717	98,263	3.81	96.2	3,748,775	621,225	4,369,560
1950 ^{4/}	36,240	56.8	20,591	762,030	62.0	472,226	74,205	3.89	2,886,496	1,832	18.5	339,372	99,066	3.75	94.7	3,718,685	593,644	4,312,329
1951 ^{5/}	31,435	60.8	19,099	713,650	70.0	499,533	74,629	4.58	3,417,986	1,775	19.9	353,681	98,029	4.38	110.6	4,290,299	673,473	4,963,772

^{1/} Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

^{2/} Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

^{3/} Value of combined sales, plus value of products consumed in the farm household.

^{4/} Revised.

^{5/} Preliminary.

Table 4 - Production and disposition of milk on farms, by States, 1950 1/

State and Division	Production of milk and milk products					Disposition of milk produced										
	Number of milk cows on farms 2/	Production per milk cow 3/		Percent- age of butter- fat in milk	Butter produced on farms			Milk fed or consumed on farms where produced			Milk sold or utilized for preparation of dairy products sold from farms					
		Milk	Butter-fat		Butter-fat	Milk used	Butter made	Fed to calves	Consumed in the farm household		Total used on farms	For farm-churned butter sold	For deliveries to plants and dealers	For retail sales of milk and cream by farmers 4/		
									As milk	As cream						
	Thous.	Pounds	Pounds	Percent	Mill. lb.	Mill. lb.	Thous. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.
Maine	109	5,700	239	4.2	26	54	2,700	13	52	91	28	5	420	77	530	7
N. H.	61	5,640	220	3.9	34	10	500	6	20	31	5	3	264	33	313	3
Vt.	257	5,900	242	4.1	1,516	62	500	29	52	86	5	4	1,385	36	1,430	1
Mass.	120	6,500	254	3.9	780	30	7	14	30	49	2	1	612	116	731	1
R. I.	19	7,200	281	3.9	137	5	20	2	4	6			111	20	131	1
Conn.	108	6,450	245	3.8	697	26	6	13	25	43	1		583	70	654	1
N. Y.	1,300	6,810	252	3.7	8,853	328	70	37	37	542	33	62	7,935	241	8,271	1
N. J.	153	7,450	287	3.85	1,140	44	6	18	38	61	1		958	120	1,079	1
Pa.	891	6,320	243	3.85	5,631	217	108	129	327	508	56	157	4,690	220	5,123	1
N. A.	3,018	6,534	248.8	3.81	19,719	751	271	472	845	1,457	131	232	16,958	941	18,262	1
Ohio	945	5,580	226	4.05	5,273	214	76	155	384	596	19	428	4,070	160	4,677	1
Ind.	693	5,350	225	4.2	3,708	156	41	89	271	393	8	486	2,760	61	3,315	1
Ill.	925	5,630	217	3.85	5,208	173	73	130	405	599	9	790	3,650	160	4,083	1
Mich.	863	6,280	242	3.85	5,420	209	58	195	329	567	15	888	3,930	40	4,653	1
Wis.	2,160	6,850	253	3.7	14,796	547	11	548	425	981	3	472	13,270	70	13,615	1
N. O. E.	5,566	6,159	237.6	3.86	34,405	1,327	259	1,117	1,814	205	54	3,044	27,680	491	31,269	1
Minn.	1,349	5,980	215	3.6	8,067	290	21	227	384	630	2	3,615	3,760	60	7,437	1
Iowa	1,124	5,490	209	3.8	6,171	234	75	185	471	726	19	428	1,120	60	1,545	1
Mo.	919	4,400	187	4.25	4,132	176	162	107	430	687	12	823	2,510	100	3,445	1
N. Dak.	375	4,530	170	3.75	1,699	64	90	63	149	299	3	1,272	95	30	1,400	1
S. Dak.	333	4,210	158	3.75	1,402	53	56	50	136	240	2	1,004	118	38	1,162	1
Nebr.	462	4,870	185	3.8	2,250	86	102	81	216	396	3	1,401	390	60	1,854	1
Kans.	560	4,550	182	4.0	2,548	102	86	102	280	453	5	1,180	810	90	2,085	1
N. C. W.	5,142	5,109	195.4	3.83	26,269	1,005	592	815	2,066	3,441	32	13,545	8,803	448	22,828	1
Del.	35	5,300	209	3.95	186	7	3	4	11	17	1		157	11	169	1
Md.	224	5,600	221	3.95	1,294	50	26	25	66	107	10	17	1,060	60	1,147	1
Va.	440	4,490	191	4.25	1,976	84	274	66	311	601	50	200	1,050	75	1,375	1
W. Va.	210	3,970	171	4.3	834	36	120	30	194	326	18	118	280	92	508	1
N. C.	350	4,460	198	4.45	1,561	69	411	33	380	668	65	20	582	135	802	1
S. C.	146	3,810	170	4.45	556	25	168	10	154	305	27	10	150	64	251	1
Ga.	328	3,580	159	4.45	1,174	52	353	20	237	551	59	22	445	97	623	1
Fla.	136	4,400	187	4.25	958	25	31	6	37	69	5		446	78	529	1
S. A.	1,869	4,355	186.2	4.28	8,139	348	1,386	194	1,390	2,735	235	387	4,170	612	5,404	1
Ky.	601	4,040	178	4.4	2,428	107	263	48	455	745	21	372	1,170	120	1,683	1
Tenn.	626	3,720	167	4.5	2,329	105	363	40	431	794	40	140	1,275	80	1,535	1
Ala.	362	3,570	161	4.5	1,292	58	496	19	324	513	60	23	360	70	513	1
Miss.	510	2,790	126	4.5	1,423	64	359	17	306	668	14	40	640	61	755	1
Ark.	400	3,230	145	4.5	1,292	58	258	17	267	568	17	230	450	70	767	1
La.	282	2,550	113	4.45	719	32	88	9	185	275	7	2	390	45	444	1
Okla.	541	3,680	156	4.25	1,991	85	166	56	309	521	10	620	760	80	1,470	1
Tex.	1,018	3,390	151	4.45	1,451	154	411	59	648	1,044	74	253	1,870	210	2,407	1
S. O.	4,340	3,439	152.8	4.44	14,925	663	2,404	265	2,925	5,351	243	1,680	6,915	716	9,574	1
Mont.	114	4,960	193	3.9	565	22	33	23	62	114	4	255	160	32	451	1
Idaho	190	6,300	246	3.9	1,977	47	18	45	91	153	1	129	880	34	1,044	1
Wyo.	146	5,200	192	3.70	239	9	15	10	31	55	1	72	95	14	184	1
Colo.	174	5,300	201	3.8	922	35	34	39	69	159	3	317	400	43	763	1
N. Mex.	53	4,060	171	4.2	215	9	14	6	44	63	1	36	80	35	152	1
Ariz.	46	5,900	224	3.8	271	10	7	7	18	31	1	10	196	33	240	1
Utah	100	6,550	246	3.75	655	25	13	22	51	85	1	26	515	28	570	1
Nev.	15	6,050	224	3.7	91	3	3	4	5	11	1	19	48	12	80	1
Wash.	263	6,640	282	4.25	1,746	74	40	65	126	227	4	200	1,220	95	1,519	1
Oreg.	211	5,940	267	4.5	1,253	56	29	45	115	187	2	186	820	58	1,066	1
Calif.	777	7,710	301	3.9	5,991	234	42	157	136	331	4	70	5,265	321	5,686	1
West.	1,989	6,609	263.4	3.99	13,145	524	248	423	768	225	23	1,320	9,679	707	11,729	1
U. S.	21,944	5,314	210.4	3.96	116,602	4,618	5,160	3,266	9,808	4,442	718	20,208	74,205	3,935	99,066	1

1/ Revised. 2/ Average number on farms during year, halves that have not been freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms.

4/ Approximations based on sources of fluid milk supplies in villages, towns, and small cities, as indicated by health officer reports, together with some information on production and sales by producers who distribute their milk directly to consumers.

Table 5 - Farm Dairy Products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1950 1/

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			Value of milk products consumed in farm household		Gross income from dairy products 1/2
	Quantity sold	Price per lb.	Value of sales	Quantity butterfat sold	Price per lb. butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns 2/ Per 100 butterfat lb. milk	Value of sales (Receipts from farm market-ings)	1000 dol.	1000 dol.	
Maine	1,400	65	910	210	69	145	420	5.00	21,000	36	20.3	7,308	530	5.54	29,363	4,321	33,684	
N. H.	290	66	195	120	70	84	185	4.94	9,240	19	20.1	3,819	313	5.47	17,110	4,321	17,478	
Vt.	270	66	178	170	70	119	1,385	4.44	61,494	17	18.9	3,213	4,430	4.55	65,004	2,594	67,598	
Mass.	100	68	68	40	72	29	612	5.57	34,088	54	20.8	11,232	1,331	6.21	165,417	2,174	167,591	
R. I.	5	69	3	111	71	79	5,911	5.91	6,560	9	20.6	1,856	131	6.43	165,417	257	165,674	
Conn.	60	69	41	583	56	1,294	7,935	5.46	31,832	33	20.4	6,752	694	5.90	38,605	1,770	40,375	
N. Y.	1,500	64	960	2,310	56	1,294	7,935	4.05	32,136	112	17.7	19,824	8,271	4.15	34,446	13,861	35,737	
N. J.	60	67	40	958	58	558	5,092	5.02	48,092	56	21.5	12,040	1,079	5.58	60,172	2,399	62,571	
Pa.	2,600	63	1,638	6,000	57	3,420	4,690	4.32	202,608	102	19.9	20,298	5,123	4.45	227,964	16,866	244,830	
N. A.	6,245	64.1	4,003	8,850	57.5	5,091	16,958	4.36	740,084	438	19.7	86,320	18,262	4.58	120.2	835,498	881,108	
Ohio	990	62	589	17,120	57	9,758	4,070	3.80	154,660	74	17.4	12,876	4,677	3.80	94	177,883	194,641	
Ind.	400	62	248	19,830	58	11,501	2,760	3.73	102,948	28	17.4	4,872	3,315	3.61	86	139,569	150,543	
Ill.	400	61	244	30,180	58	17,504	3,650	3.41	124,465	74	16.6	12,284	4,609	3.35	87	154,497	170,209	
Mich.	700	61	427	33,420	65	21,723	3,930	3.62	142,266	19	16.7	3,173	4,853	3.45	90	167,589	180,423	
Wis.	150	62	93	17,420	69	12,020	13,270	3.15	418,005	23	15.6	3,148	13,815	3.15	85	435,266	448,906	
N. C. S.	2,600	61.6	1,601	117,970	61.5	72,506	27,680	3.40	942,344	228	16.8	38,353	31,259	3.37	87.3	1,054,804	1,124,722	
Minn.	70	65	46	128,330	68	87,264	3,760	3.05	114,680	28	15.8	4,424	7,437	2.78	77	206,414	217,617	
Iowa	200	64	128	156,820	66	103,501	1,120	3.55	39,760	33	16.9	5,577	5,445	2.74	72	148,966	163,789	
Mo.	600	61	366	34,150	56	19,124	2,510	3.65	91,615	47	16.0	7,520	3,445	3.44	81	118,625	138,577	
N. Dak.	130	63	82	46,430	62	28,787	95	3.59	3,410	14	16.6	2,324	1,400	2.47	66	34,603	40,432	
S. Dak.	100	63	63	36,340	61	22,167	118	3.78	4,460	18	17.3	3,114	1,162	2.56	68	29,804	34,668	
Nebr.	190	63	94	51,280	59	30,255	390	3.71	14,469	28	17.3	4,760	1,854	2.67	70	49,578	57,988	
Kans.	250	64	160	45,080	58	26,146	810	3.62	29,322	42	17.6	7,392	2,085	3.02	76	63,020	73,922	
N. C. W.	1,500	62.6	939	498,430	61.6	317,244	8,803	3.38	297,716	210	16.7	35,111	22,828	2.85	74.4	651,010	75,983	
Del.	90	57	28	15,670	52.7	8,255	4,170	5.10	212,535	285	19.7	56,257	5,404	5.25	122.7	283,476	329,050	
Md.	450	55	248	15,620	52	8,122	1,170	3.70	43,290	56	17.4	9,704	1,683	3.67	83	61,783	87,363	
Va.	2,500	50	1,250	8,100	51	4,131	1,060	4.72	50,032	28	19.5	5,460	1,147	4.89	123	8,194	8,824	
W. Va.	900	54	486	4,740	55	2,607	1,050	4.75	49,875	35	18.2	6,370	1,375	4.48	105	56,078	60,088	
N. C.	3,400	54	1,836	840	52	437	582	4.51	21,628	43	18.3	7,869	508	4.64	108	23,590	23,968	
S. C.	1,400	57	798	420	54	227	150	5.67	8,505	30	20.0	6,000	251	5.91	139	15,530	18,260	
Ga.	3,100	53	1,643	920	56	515	446	5.74	29,543	45	20.3	9,135	623	5.91	133	36,836	41,382	
Fla.	290	53	150	15,670	52.7	8,255	4,170	5.10	212,535	285	19.7	56,257	5,404	5.25	122.7	283,476	329,050	
S. A.	12,050	53.4	6,439	15,670	52.7	8,255	4,170	5.10	212,535	285	19.7	56,257	5,404	5.25	122.7	283,476	329,050	
Ky.	1,100	57	627	15,620	52	8,122	1,170	3.70	43,290	56	17.4	9,704	1,683	3.67	83	61,783	87,363	
Tenn.	2,100	48	1,008	5,860	52	3,058	1,275	3.94	50,235	37	16.4	6,068	1,555	3.93	87	60,369	69,001	
Ala.	3,200	48	1,536	970	57	553	360	4.91	17,676	33	18.0	5,940	513	5.01	111	25,705	28,076	
Miss.	750	54	405	1,720	53	912	640	4.26	27,264	28	18.1	5,068	755	4.46	99	33,649	38,035	
Ark.	900	57	513	9,660	55	5,313	450	3.96	17,820	33	16.6	5,478	767	3.80	84	29,124	19,304	
La.	350	58	203	80	57	46	46	5.61	21,879	21	20.2	4,242	444	5.94	133	26,370	15,800	
Okla.	500	63	315	25,300	54	13,662	760	4.17	31,692	37	17.9	6,623	1,470	3.56	84	52,292	68,446	
Tex.	3,900	60	2,340	10,780	53	5,713	1,870	5.26	98,362	98	19.4	19,012	2,407	5.21	117	125,427	176,745	
S. O.	12,800	54.3	6,947	70,010	53.4	37,379	6,915	4.46	308,218	343	18.1	62,175	9,574	4.23	97.5	414,719	420,018	
Mont.	180	64	115	9,490	61	5,789	160	3.87	6,192	15	19.0	2,850	451	3.31	85	14,946	17,958	
Idaho	50	64	32	4,970	60	2,982	840	3.25	28,600	16	17.4	2,784	1,044	3.29	84	34,398	37,951	
Wyo.	50	64	32	2,680	63	1,688	95	3.88	3,686	7	18.2	1,274	184	3.63	98	6,680	8,314	
Colo.	130	63	82	11,480	61	7,003	400	4.22	16,880	20	18.2	3,640	763	3.62	95	27,605	31,949	
N. Mex.	60	62	37	1,440	56	806	80	5.73	4,584	16	19.5	3,120	152	5.62	134	8,547	11,750	
Ariz.	30	63	19	380	63	239	196	4.45	8,722	15	18.5	2,775	240	4.90	129	11,755	12,931	
Utah	30	64	19	970	62	601	515	3.69	19,004	13	16.0	2,080	570	3.81	102	21,717	24,400	
Nev.	25	65	16	390	62	428	48	4.21	2,021	6	17.5	1,050	80	4.39	119	3,515	3,822	
Wash.	180	63	113	8,160	64	5,222	1,220	4.15	50,630	44	18.6	8,184	1,519	4.22	99	64,149	70,985	
Oreg.	90	64	58	8,050	64	5,152	620	4.68	36,376	27	19.4	5,238	1,066	4.58	102	48,824	6,504	
Calif.	200	63	126	2,790	66	1,841	5,285	3.93	205,914	149	18.9	28,161	5,660	4.19	107	47,042	7,291	
West.	1,045	63.3	662	51,100	62.1	31,751	9,679	3.98	385,609	328	18.6	61,156	11,729	4.09	102.5	439,178	440,260	
U. S.	36,240	56.8	20,591	762,030	62.0	472,226	74,205	3.89	2,886,496	1,832	18.5	339,372	99,066	3.75	94.7	3,718,685	593,644	

1/ Revised. 2/ Computed from the values of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold. 4/ Value of combined sales, plus value of products consumed in the farm household.

Table 5.-Production and disposition of milk on farms, by States, 1951 1/

State and Division	Production of milk and milk products										Disposition of milk produced									
	Number of milk cows on farm 2/		Production per milk cow 3/		Percent- age of butter- fat in milk	Total production on farm 3/		Butter churned on farm			Milk fed or consumed on farms where produced				Milk sold or utilized for preparation of dairy products sold from farms					
			Milk	Butter-fat		Milk	Butter-fat	Milk	Butter made	Fed to calves	Consumed in the farm household		Total used on farm	For farm-churned butter sold	For deliveries to plants and dealers		Total utilized for milk and cream by farmers 4/			
											As milk	As cream			As cream	As milk				
Thous.	Pounds	Percent	Mil. lb.	Mil. lb.	Mil. lb.	Thous. lb.	Mil. lb.	Thous. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.			
Maine	105	5,870	247	4.2	516	26	48	2,400	12	52	24	5	425	74	528					
N. H.	58	5,800	226	3.9	336	13	10	480	8	19	5	2	280	39	308					
Vt.	250	5,980	245	4.1	1,495	51	9	450	31	49	4	5	1,370	33	1,411					
Mass.	118	6,000	267	3.9	779	30	7	310	14	27	5	6	615	115	733					
R. I.	19	7,280	284	3.9	138	5	20	30	3	4			112	19	131					
Conn.	108	6,480	245	3.8	700	27	6	260	15	25	5	45	590	64	655					
N. Y.	1,292	8,820	262	3.7	8,811	328	64	2,900	255	291	35	55	7,920	225	8,229					
N. J.	151	7,510	289	3.85	1,134	44	6	300	18	37	4	59	958	115	1,075					
Pa.	891	5,310	243	3.85	5,622	218	101	4,700	129	333	49	152	4,590	217	5,111					
N. A.	2,992	5,551	250.0	3.81	19,631	748	251	11,820	484	837	131	1,452	120	901	18,179					
Ohio	924	5,530	224	4.05	5,165	209	68	3,400	150	399	54	410	3,980	188	4,562					
Ind.	681	5,500	231	4.2	3,745	187	54	1,750	90	274	28	6	480	58	3,364					
Ill.	892	5,680	219	3.85	6,067	195	69	3,200	127	404	83	6	690	152	4,473					
Mich.	854	6,410	244	3.8	6,474	208	52	2,400	203	330	41	11	860	39	4,900					
Wis.	2,170	7,010	259	3.7	15,212	653	11	500	639	438	8	1,085	3	68	14,127					
N. C. E.	5,631	6,267	240.8	3.84	34,664	1,332	234	11,250	1,209	1,845	194	3,248	40	475	31,415					
Minn.	1,317	6,030	217	3.6	7,942	286	23	1,000	254	394	21	659	2	68	7,273					
Iowa	1,088	5,420	206	3.8	6,897	224	88	3,000	190	472	55	727	3	67	5,170					
Mo.	942	4,370	185	4.25	4,117	175	154	7,700	111	434	146	691	8	98	3,428					
N. Dak.	368	4,620	173	3.75	1,700	64	89	3,950	55	145	86	298	3	29	1,404					
S. Dak.	373	4,300	161	3.75	1,389	52	47	2,100	49	138	45	232	2	35	1,157					
Nebr.	444	4,840	184	3.8	2,149	82	95	4,200	64	208	92	334	3	67	1,765					
Kans.	553	4,480	179	4.0	2,477	99	80	3,700	107	281	75	453	5	85	2,014					
N. C. W.	5,035	5,099	195.0	3.83	25,671	982	655	25,650	860	2,072	530	3,452	26	430	22,209					
Del.	35	5,300	209	3.95	191	8	3	140	4	11	2	1	162	11	174					
Md.	230	5,500	217	3.95	1,255	50	28	1,200	24	58	15	15	1,075	57	1,187					
Va.	435	4,540	193	4.25	1,975	84	266	13,300	67	303	218	185	1,080	74	1,387					
N. Va.	307	3,920	189	4.3	811	35	120	6,000	29	194	102	325	18	103	275					
N. C.	357	4,450	198	4.45	1,689	71	401	21,000	35	376	340	751	61	17	830					
S. C.	150	3,750	187	4.45	652	25	168	8,800	10	143	141	294	27	9	168					
Ga.	330	3,530	157	4.45	1,155	52	225	17,000	22	242	277	541	20	277	624					
Fla.	137	4,400	187	4.25	603	25	27	1,400	5	38	23	67	4	455	77					
S. A.	1,882	4,336	186.5	4.30	8,161	351	1,336	68,840	197	1,375	1,119	2,691	217	599	5,470					
Ky.	598	3,960	174	4.4	2,368	104	254	13,000	50	453	234	320	1,175	115	1,631					
Tenn.	628	3,680	156	4.5	2,311	104	344	18,000	44	434	310	788	34	128	1,285					
Ala.	372	3,440	155	4.5	1,280	58	477	25,500	20	328	428	795	49	20	355					
Miss.	516	2,780	125	4.5	1,434	65	344	18,000	22	307	531	650	13	35	565					
Ark.	394	3,180	143	4.5	1,253	55	248	13,000	19	267	333	519	15	200	450					
La.	295	2,470	109	4.4	731	32	82	4,300	10	187	76	273	5	2	410					
Okla.	517	3,560	151	4.25	1,841	78	155	7,800	57	301	148	506	8	530	148					
Tex.	988	3,300	147	4.45	3,250	145	382	20,000	82	645	325	1,032	57	180	1,795					
S. C.	4,309	3,350	149.0	4.43	14,478	642	2,287	119,600	284	2,922	2,085	5,291	202	1,415	6,865					
Mont.	110	4,990	195	3.9	549	21	31	1,400	21	61	28	110	3	235	170					
Idaho	186	6,240	243	3.9	1,161	45	17	800	45	90	15	151	1	106	870					
Wyo.	44	5,250	194	3.7	231	9	14	850	10	31	13	65	1	65	95					
Colo.	169	5,350	203	3.8	904	34	33	1,450	39	89	31	159	2	312	390					
N. Mex.	50	4,200	176	4.2	210	9	13	650	8	45	12	63	1	28	83					
Ariz.	45	5,800	220	3.8	287	10	8	350	8	18	7	33	1	7	194					
Utah	100	6,570	246	3.75	657	25	14	850	22	50	13	85	1	28	520					
Nev.	14	6,100	226	3.7	85	3	3	140	3	6	3	12	4	16	46					
Wash.	253	6,720	286	4.25	1,700	72	40	2,000	65	131	36	232	4	150	1,220					
Oreg.	203	5,950	288	4.5	1,208	54	29	1,500	45	117	27	190	2	160	800					
Calif.	781	7,700	300	3.9	6,014	235	44	2,100	153	135	40	329	4	65	5,280					
West.	1,955	5,539	254.3	3.98	12,988	517	245	11,590	418	774	226	1,418	20	1,171	9,659					
U. S.	21,705	5,328	210.8	3.95	115,591	4,572	4,910	248,850	3,452	9,825	4,285	17,552	625	16,957	94,629					

1/ Preliminary. 2/ Average number on farms during year, heifers that have not freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms.

4/ Approximations based on sources of fluid milk supplies in villages, towns, and small cities, as indicated by health officer reports, together with some information on production and sales by producers who distribute their milk directly to consumers.

Table 7.—Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1951 1/2

States and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk					Value of milk products consumed in household on farms where produced 3/4	Gross farm income from dairy products 4/
	Quantity sold	Price per lb.	Value of sales	Quantity of butterfat sold	Price per lb. of butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns 2/ Per 100 lb. milk butterfat	Value of sales (Receipts from farm market—1000 dol.)				
1000 lb.	Ct.	1000 dol.	1000 lb.	Qt.	1000 dol.	1000 lb.	Dol.	1000 dol.	1000 dol.	1000 dol.	Dol.	1000 dol.	1000 dol.	Ct.	1000 dol.	1000 dol.			
Maine	1,200	69	828	210	73	153	425	5.52	23,460	34	21.5	7,310	528	6.01	143	31,751	4,568	36,319	
N. H.	230	71	163	80	75	60	260	5.51	14,326	18	21.2	3,816	306	6.00	126	18,365	1,440	19,805	
Vt.	280	73	182	130	77	100	1,370	5.09	69,733	15	20.1	3,015	1,411	5.18	154	73,030	2,745	75,775	
Mass.	100	75	75	40	79	32	615	6.12	37,638	53	21.9	11,607	733	6.73	173	49,352	2,154	51,506	
R. I.	5	75	4				112	6.47	7,246	9	22.2	1,958	131	7.06	181	9,248	282	9,530	
Conn.	40	75	30				590	8.07	35,813	30	21.8	6,540	655	6.47	170	42,383	1,941	44,324	
N. Y.	1,300	71	923	2,050	66	1,353	7,920	4.65	358,280	105	18.4	19,320	8,229	4.74	128	389,876	15,452	405,328	
N. J.	70	73	51				958	5.70	54,806	53	22.9	12,137	1,075	6.21	161	66,794	2,546	69,340	
Pa.	2,400	68	1,632	5,810	66	3,835	4,690	5.09	238,721	101	21.4	21,614	5,111	5.20	135	265,802	19,864	285,666	
W. Va.	5,595	69.5	3,888	8,320	86.5	5,533	16,940	5.02	849,823	418	20.9	87,357	18,179	5.21	136.7	946,601	50,992	997,593	
Ohio	700	68	476	16,400	65	10,860	3,980	4.67	185,866	73	19.8	14,454	4,562	4.64	115	211,456	21,019	232,475	
Ind.	300	69	207	19,580	65	12,727	2,810	4.54	127,574	27	19.4	5,238	3,354	4.35	104	145,746	13,137	158,883	
Ill.	300	65	195	26,360	66	17,398	3,625	4.13	149,712	71	18.2	12,922	4,473	4.03	105	180,227	18,820	199,047	
Mich.	500	67	335	33,110	72	23,839	3,990	4.38	174,762	18	18.5	3,330	4,900	4.13	109	202,266	15,322	217,588	
Wis.	150	70	105	16,460	75	12,345	13,610	3.86	525,346	32	17.4	5,568	14,127	3.85	104	543,364	17,171	560,535	
N. C.	1,950	67.6	1,318	111,910	68.8	76,969	28,015	4.15	1,163,360	221	18.8	41,512	31,416	4.08	106.2	1,283,059	85,469	1,368,528	
Minn.	100	72	72	122,580	75	91,935	3,760	3.64	136,864	27	16.9	4,563	7,273	3.21	89	233,434	13,322	246,756	
Iowa	150	71	106	146,490	74	108,403	1,130	4.03	45,539	31	17.7	5,487	5,170	3.09	81	159,535	16,593	176,128	
Mo.	400	65	260	31,960	64	20,454	2,550	4.38	111,690	46	17.3	7,958	3,476	4.10	96	140,362	23,780	164,142	
E. Dak.	120	71	85	45,610	71	33,093	95	3.78	3,591	13	17.2	2,236	1,404	2.78	74	39,005	6,422	45,427	
S. Dak.	100	70	70	36,200	70	25,340	120	4.10	4,920	16	18.3	2,928	1,157	2.87	77	33,258	5,252	38,510	
Nebr.	120	70	84	48,860	68	33,225	370	4.23	15,651	27	18.1	4,887	1,765	3.05	80	53,847	9,150	62,997	
Kans.	250	71	178	42,520	66	28,063	810	4.36	35,316	40	18.6	7,440	2,014	3.53	88	70,997	12,567	83,564	
N. C. W.	1,240	69.0	855	475,220	71.7	340,513	8,835	4.00	353,571	200	17.7	35,499	22,209	3.29	85.9	730,438	87,086	817,524	
Del.	40	62	25				162	5.25	8,505	5	20.7	1,035	174	5.50	139	9,565	715	10,260	
Md.	450	60	270	570	58	331	1,075	5.38	57,835	27	20.9	5,643	1,157	5.54	140	64,079	4,654	68,733	
Va.	2,400	54	1,296	7,490	58	4,344	1,080	5.40	58,320	34	19.8	6,732	1,387	5.10	120	70,692	26,571	97,263	
W. Va.	900	58	522	4,140	63	2,608	275	5.02	13,805	42	19.9	8,358	486	5.20	121	25,293	15,392	40,685	
N. C.	3,200	56	1,792	710	57	405	630	5.59	35,217	50	20.8	12,430	838	5.95	134	49,894	42,602	92,496	
S. C.	1,400	60	840	380	56	213	168	6.08	10,214	30	21.3	6,390	268	6.59	148	17,557	18,716	36,373	
Ga.	2,500	58	1,450	840	59	496	460	6.26	28,796	45	22.4	10,080	624	6.53	147	40,772	33,891	74,663	
Fla.	200	62	124				455	6.65	30,268	36	22.8	8,208	1,208	7.20	169	38,590	4,392	42,982	
S. A.	11,090	56.5	6,269	14,130	59.4	8,397	4,305	5.64	242,950	279	21.1	58,926	5,470	5.79	134.7	316,542	145,933	463,475	
Ky.	1,000	59	590	13,440	60	8,064	1,175	4.46	52,288	54	18.2	9,828	1,631	4.34	99	70,770	26,816	100,586	
Tenn.	1,800	51	918	5,380	59	3,174	1,285	4.89	60,266	35	17.9	6,265	1,523	4.64	103	70,623	34,522	105,145	
Ala.	2,600	51	1,326	8,400	60	504	365	5.46	19,929	33	19.4	6,402	504	5.59	124	28,161	42,260	70,421	
Miss.	700	56	392	1,510	58	878	665	4.94	32,851	28	19.7	5,516	774	5.12	114	39,635	32,666	72,301	
Ark.	800	60	480	8,400	62	5,208	450	4.59	20,655	32	17.8	5,696	734	4.36	97	32,039	21,800	53,839	
La.	300	61	183	80	60	48	410	6.14	25,174	19	21.5	4,085	458	6.44	146	29,490	16,937	46,427	
Okla.	400	68	272	21,620	63	13,621	720	4.85	34,920	36	19.6	7,066	1,335	4.18	98	55,869	18,768	74,637	
Tex.	3,000	64	1,920	7,670	61	4,679	1,795	6.18	110,931	91	21.0	19,110	2,228	6.13	138	136,540	196,101	196,101	
S. C.	10,600	57.4	6,081	58,940	61.4	36,174	6,865	5.20	357,014	328	19.5	63,958	9,187	5.04	113.8	463,227	256,230	719,457	
Mont.	140	70	98	8,740	69	6,118	170	4.10	6,970	14	19.7	2,758	439	3.63	93	15,944	3,331	19,175	
Idaho	50	73	36	4,040	69	2,788	870	3.89	33,843	16	18.5	2,960	1,010	3.92	101	39,627	4,155	43,782	
Wyo.	20	74	28	2,430	71	1,718	98	4.34	4,166	7	19.0	1,330	177	4.09	111	7,242	1,800	9,042	
Colo.	100	70	70	11,290	70	7,903	390	4.88	19,032	19	20.3	3,857	745	4.14	109	30,862	4,968	35,830	
N. Mex.	50	66	33	1,120	66	739	83	6.19	5,138	16	20.1	3,216	147	6.21	148	9,126	3,540	12,666	
Ariz.	30	70	21	260	70	182	194	4.94	9,584	15	20.2	3,030	234	5.48	144	14,187	2,970	16,157	
Utah	50	70	35	1,040	68	707	520	4.15	21,580	11	17.4	1,914	572	4.24	113	24,236	2,571	26,807	
Nev.	20	72	14	580	71	412	48	4.61	2,121	5	20.2	1,010	73	4.87	132	3,557	3,955	7,904	
Wash.	180	71	128	6,120	74	4,284	1,220	4.79	58,438	44	20.2	8,888	1,468	4.89	115	71,738	8,166	79,904	
Oreg.	90	74	67	6,930	74	5,128	800	5.49	43,920	26	21.7	5,643	1,018	5.38	120	54,757	7,747	62,504	
Calif.	210	75	158	2,590	78	1,968	5,280	4.67	246,576	156	20.4	31,824	5,685	4.93	126	280,526	8,677	289,203	
West.	960	71.7	688	45,130	70.8	31,947	9,669	4.67	451,368	329	20.2	66,429	11,568	4.76	119.6	550,432	46,763	597,195	
U. S.	31,435	60.8	19,099	713,650	70.0	499,533	74,629	4.58	3,417,986	1,775	19.9	353,681	98,029	4.38	110.6	4,290,299	673,473	4,963,772	

1/ Preliminary. 2/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

4/ Value of combined sales, plus value of products consumed in the farm household.

Table 8.—Monthly milk production on farms, United States 1929-51 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly total
Million pounds													
1929	7,187	6,860	8,067	8,543	10,047	10,562	10,027	8,800	7,642	7,335	6,811	7,107	98,988
1930	7,371	7,051	8,253	8,723	10,386	10,766	9,725	8,413	7,522	7,456	7,091	7,391	100,158
1931	7,798	7,417	8,519	9,048	10,580	10,683	9,663	8,643	7,798	7,737	7,427	7,716	103,029
1932	7,951	7,784	8,625	8,854	10,504	10,701	9,777	8,739	7,974	7,810	7,359	7,722	103,810
1933	7,983	7,532	8,580	8,989	10,665	10,675	9,973	9,167	8,192	7,941	7,417	7,648	104,762
1934	7,652	7,144	8,272	8,760	10,182	10,477	9,796	9,004	8,160	7,835	7,185	7,154	101,621
1935	7,084	6,690	7,823	8,440	10,222	10,991	10,384	9,402	8,258	7,702	7,003	7,206	101,205
1936	7,292	7,159	8,244	8,807	10,507	10,948	9,893	8,695	8,049	8,090	7,322	7,404	102,410
1937	7,388	6,899	8,041	8,560	10,466	10,955	10,323	9,192	8,071	7,735	6,981	7,297	101,908
1938	7,438	7,089	8,443	9,120	10,881	11,226	10,581	9,545	8,445	8,073	7,396	7,570	105,807
1939	7,807	7,411	8,725	9,195	10,903	11,277	10,498	9,515	8,394	7,945	7,433	7,689	106,792
1940 2/	7,670	7,631	8,796	9,377	11,276	11,678	10,845	9,919	8,822	8,269	7,427	7,702	109,412
1941 2/	8,122	7,855	9,174	10,050	12,182	12,042	11,372	10,455	9,238	8,684	7,798	8,116	115,088
1942 2/	8,451	8,149	9,539	10,504	12,600	12,555	11,853	10,902	9,414	8,629	7,790	8,147	118,533
1943 2/	8,458	8,210	9,637	10,359	12,303	12,654	11,848	10,608	9,111	8,425	7,560	7,844	117,017
1944 2/	8,358	8,438	9,592	10,189	12,272	12,333	11,594	10,410	9,223	8,646	7,821	8,147	117,023
1945 2/	8,517	8,243	9,814	10,718	12,696	12,907	12,194	11,010	9,428	8,719	7,718	7,854	119,828
1946 2/	8,202	8,029	9,603	10,595	12,577	12,489	11,813	10,756	9,266	8,632	7,698	8,007	117,697
1947 2/	8,418	8,231	9,787	10,508	12,491	12,631	11,930	10,454	8,998	8,445	7,374	7,547	116,814
1948 2/	7,842	7,856	9,155	9,999	11,997	11,986	11,246	10,248	8,898	8,305	7,432	7,706	112,671
1949 2/	8,096	7,938	9,587	10,469	12,326	12,116	11,279	10,548	9,222	8,624	7,806	8,092	116,103
1950 2/	8,378	8,199	9,785	10,387	12,034	12,138	11,497	10,570	9,184	8,658	7,800	7,972	116,602
1951 3/	8,289	8,027	9,662	10,215	12,164	12,212	11,436	10,505	9,145	8,528	7,611	7,797	115,591

1/ Estimates based on national indications of milk production and utilization. Subject to revision when data for all individual States become available

2/ Revised. 3/ Preliminary.

Table 9.—Total supply and utilization of milk in the United States, 1940-51

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951 6/
Million pounds												
Milk production on farms	109,412	115,088	118,533	117,017	117,023	119,828	117,697	116,814	112,671	116,103	116,602	115,591
Utilization (milk equivalent)												
Manufactured in plants												
Creamery butter												
Total	37,349	38,077	35,938	34,460	30,620	28,065	24,145	27,430	24,980	29,149	28,639	25,170
From whey cream	548	665	775	698	713	780	772	830	771	842	839	810
Net	36,801	37,412	35,163	33,762	29,907	27,285	23,373	26,600	24,209	28,307	27,800	24,360
Cheese												
American	6,115	7,612	9,247	7,743	8,090	8,777	8,058	9,393	8,597	9,384	8,975	8,690
Other	1,747	1,945	1,874	2,179	2,045	2,346	2,894	2,381	2,332	2,569	2,891	2,850
Canned milk												
Evaporated	5,266	7,023	7,592	6,594	7,384	8,147	6,567	6,899	7,271	5,898	6,176	6,240
Sweetened condensed	137	268	147	278	330	339	269	389	295	234	143	140
Bulk condensed milk												
Unsweetened	312	278	307	249	289	310	237	423	483	492	537	550
Sweetened	165	172	163	145	138	167	151	179	98	103	85	80
Dry whole milk	223	347	474	1,052	1,355	1,650	1,421	1,250	1,293	956	951	1,000
Frozen dairy products												
Ice cream, total	4,712	5,754	6,795	5,177	5,354	5,788	9,595	8,732	7,939	7,756	7,781	8,290
Other 1/, total				199	202	268	108	105	127	176	217	260
Fat from other products 2/	982	1,214	1,457	826	859	926	1,507	1,346	1,474	1,448	1,454	1,550
Net from milk and cream	3,730	4,540	5,338	4,550	4,697	5,130	8,196	7,491	6,592	6,484	6,544	7,000
Other factory products 3/	54	63	94	196	514	720	552	515	560	561	723	750
Total factory products 4/	54,550	59,660	60,399	56,748	54,749	54,871	51,718	55,520	51,730	54,988	54,825	51,660
Used for farm butter	8,129	7,967	7,365	6,860	6,621	6,714	6,557	6,154	5,808	5,440	5,160	4,910
Consumed as milk or cream												
On farms where produced	12,063	12,020	11,856	11,615	11,688	11,451	11,562	11,048	10,505	10,027	9,808	9,825
Fed to calves	2,994	3,124	3,294	3,276	3,258	3,290	3,228	3,194	3,064	3,163	3,286	3,452
Other uses 5/	31,676	32,317	35,619	38,518	40,707	43,502	44,632	40,898	41,564	42,485	43,523	45,744

1/ Milk sherbet and ice milk. Not available prior to 1943.

2/ Milk equivalent of butter and condensed milk used in ice cream.

3/ Includes dry cream, malted milk, dry part skim milk, dry ice cream mix and, for 1946 and later years, whole milk equivalent of the fat in cottage cheese.

4/ Includes net milk equivalents on butter and frozen dairy products to avoid double counting of milk from which fat was reused in making a second dairy product.

5/ Computed as the difference between the milk produced on farms and the quantity of milk utilized for manufacture of principal factory dairy products, farm-churned butter, consumption of fluid milk and cream on farms where produced, and feeding of calves. It includes milk consumed as fluid milk and cream by the nonfarm population and by people on farms where milk is not produced. It also reflects the net effects of additional supplies of milk produced by cows not on farms, imports of milk and cream and stocks of cream carried over on the first of the year, additional miscellaneous utilization as represented by exports, year-end carryover of milk and cream, and miscellaneous products not included above. Any errors in the independently determined figures on production or utilization are likewise included. The table differs from that carried in recent years in that no separate series of fluid milk and cream consumption in cities and villages is shown. The volume of milk included in "other uses" suggests a lower level of fluid consumption than previously carried. It is hoped that a series of revised estimates on utilization for non-farm fluid milk and cream consumption can be completed and released before the end of the current calendar year. Work on a special study to determine current levels of nonfarm fluid milk and cream consumption, and revisions which may be needed for earlier years, was started in 1948 with funds available under the Research and Marketing Act.

6/ Preliminary.

Table 10.-Milk Production on Farms, by Months, Selected States, 1940-49 average, 1950 and 1951

	January	February	March	April	May	June	July	August	September	October	November	December	Year
M i l l i o n p o u n d s													
<u>NEW JERSEY</u>													
1940-49 av.	82	78	89	90	100	94	90	89	85	82	77	81	1,037
1950	97	90	103	101	109	99	91	93	89	91	88	89	1,140
1951 1/	92	85	99	99	112	103	95	96	91	89	84	89	1,134
<u>PENNSYLVANIA</u>													
1940-49 av.	382	365	429	449	513	498	468	452	422	407	368	380	5,133
1950	442	417	495	506	570	530	497	482	449	444	397	402	5,631
1951 1/	424	405	485	500	569	541	497	478	454	441	405	423	5,622
<u>OHIO</u>													
1940-49 av.	344	326	384	421	522	530	507	472	428	403	348	340	5,024
1950	374	350	413	434	534	540	519	493	453	438	370	355	5,273
1951 1/	358	330	401	429	542	544	522	484	438	415	354	348	5,165
<u>INDIANA</u>													
1940-49 av.	255	245	277	294	361	363	356	338	309	292	262	252	3,594
1950	255	250	287	296	373	383	378	354	318	304	262	248	3,708
1951 1/	259	252	283	290	389	396	377	358	330	301	260	251	3,746
<u>ILLINOIS</u>													
1940-49 av.	404	393	446	469	567	555	514	483	432	411	371	387	5,435
1950	378	368	435	450	528	530	506	480	417	404	358	354	5,208
1951 1/	373	373	429	429	523	532	504	469	413	371	323	328	5,067
<u>MICHIGAN</u>													
1940-49 av.	380	372	424	449	534	552	512	478	434	409	354	362	5,261
1950	401	384	455	464	529	562	523	492	440	422	373	375	5,420
1951 1/	390	382	450	471	563	560	514	490	461	438	375	380	5,474
<u>WISCONSIN</u>													
1940-49 av.	1,002	1,023	1,238	1,346	1,624	1,642	1,440	1,226	1,036	955	840	931	14,302
1950	1,077	1,076	1,354	1,449	1,581	1,663	1,473	1,268	1,041	968	883	963	14,796
1951 1/	1,084	1,094	1,370	1,464	1,713	1,716	1,520	1,329	1,107	996	858	961	15,212
<u>MINNESOTA</u>													
1940-49 av.	697	692	806	804	933	944	818	658	535	510	518	628	8,543
1950	687	696	828	800	865	892	749	582	460	452	474	582	8,067
1951 1/	672	670	782	767	858	876	737	607	476	465	477	555	7,942
<u>IOWA</u>													
1940-49 av.	474	465	547	569	728	720	672	602	497	469	422	444	6,608
1950	445	426	509	522	644	663	633	562	477	459	410	421	6,171
1951 1/	445	426	500	492	624	637	589	536	461	433	376	378	5,897
<u>MISSOURI</u>													
1940-49 av.	244	237	275	325	407	406	396	385	346	314	261	250	3,847
1950	251	244	299	346	440	440	437	423	377	340	270	265	4,132
1951 1/	256	246	299	337	433	445	451	431	369	332	266	252	4,117
<u>NORTH DAKOTA</u>													
1940-49 av.	121	131	155	171	228	262	242	202	150	127	108	114	2,012
1950	95	107	130	140	177	219	218	180	140	110	89	94	1,699
1951 1/	93	104	128	142	188	217	213	178	138	110	94	95	1,700
<u>SOUTH DAKOTA</u>													
1940-49 av.	110	113	131	143	189	209	188	153	119	103	91	98	1,648
1950	89	91	109	120	157	171	160	132	110	95	84	84	1,402
1951 1/	89	92	110	119	158	171	162	134	110	90	75	79	1,389
<u>NEBRASKA</u>													
1940-49 av.	179	180	205	230	287	299	275	240	191	170	155	165	2,576
1950	154	156	187	202	241	247	242	217	172	158	136	138	2,250
1951 1/	150	154	183	193	235	240	232	202	160	140	128	132	2,149
<u>KANSAS</u>													
1940-49 av.	209	213	238	270	326	307	282	264	221	209	198	201	2,938
1950	174	175	207	226	265	260	252	244	202	185	178	180	2,548
1951 1/	182	178	206	224	264	258	241	233	192	171	161	167	2,477
<u>VIRGINIA</u>													
1940-49 av.	114	106	120	133	162	168	173	174	160	149	127	122	1,708
1950	136	128	148	156	193	195	194	194	177	169	149	137	1,976
1951 1/	134	128	151	163	192	195	194	193	176	166	144	139	1,975

1/ Preliminary.

Table 10.-Milk Production on Farms, by Months, Selected States, 1940-49 average, 1950 and 1951
(continued)

	January	February	March	April	May	June	July	August	September	October	November	December	Year
<u>Million pounds</u>													
<u>WEST VIRGINIA</u>													
1940-49 av.	54	50	57	64	80	86	86	81	74	70	59	55	816
1950	58	54	62	67	85	88	84	79	73	72	59	53	834
1951 1/	54	51	60	65	84	91	87	77	68	65	56	53	811
<u>NORTH CAROLINA</u>													
1940-49 av.	104	98	112	121	134	135	142	141	128	121	109	107	1,452
1950	112	104	119	133	149	147	150	148	134	129	119	117	1,561
1951 1/	117	110	121	138	155	146	147	146	135	131	122	121	1,569
<u>SOUTH CAROLINA</u>													
1940-49 av.	42	40	46	49	53	53	56	55	50	47	42	43	574
1950	40	38	44	49	52	51	52	53	48	46	41	42	556
1951 1/	42	39	45	48	51	52	54	51	48	47	42	43	562
<u>KENTUCKY</u>													
1940-49 av.	132	127	146	172	221	228	238	236	206	179	146	135	2,165
1950	143	140	164	189	248	258	268	269	234	206	165	144	2,428
1951 1/	151	140	160	186	244	259	257	240	215	202	165	149	2,368
<u>TENNESSEE</u>													
1940-49 av.	136	131	154	178	216	217	227	227	202	172	146	141	2,145
1950	152	147	172	197	238	238	242	242	212	187	155	147	2,329
1951 1/	145	136	166	198	241	237	243	238	212	187	158	150	2,311
<u>ALABAMA</u>													
1940-49 av.	91	85	98	108	122	123	129	123	111	104	94	93	1,283
1950	94	92	104	111	123	120	126	120	110	104	94	94	1,292
1951 1/	94	90	101	108	119	121	126	118	110	104	96	93	1,280
<u>MISSISSIPPI</u>													
1940-49 av.	85	84	102	121	146	142	144	136	115	103	91	86	1,355
1950	94	98	116	132	151	145	146	135	114	105	94	93	1,423
1951 1/	98	97	115	133	153	149	150	138	116	102	95	89	1,434
<u>OKLAHOMA</u>													
1940-49 av.	156	164	195	223	272	263	256	234	191	172	150	144	2,419
1950	136	138	163	176	216	208	207	197	159	143	125	123	1,991
1951 1/	135	131	153	164	200	191	185	172	146	136	115	113	1,841
<u>TEXAS</u>													
1940-49 av.	262	266	315	362	406	402	401	364	325	304	272	261	3,940
1950	247	249	290	319	346	340	333	309	283	267	240	228	3,451
1951 1/	229	230	285	296	329	327	311	300	261	249	224	219	3,260
<u>MONTANA</u>													
1940-49 av.	44	44	51	58	74	80	75	65	55	51	42	43	682
1950	37	37	43	47	59	66	63	55	47	42	35	34	565
1951 1/	36	36	42	46	57	62	61	54	46	41	35	33	549
<u>IDAHO</u>													
1940-49 av.	90	88	104	115	138	136	130	119	104	100	87	88	1,298
1950	82	80	98	107	126	127	120	112	96	90	79	80	1,197
1951 1/	82	78	94	104	119	120	115	107	93	89	79	81	1,161
<u>UTAH</u>													
1940-49 av.	49	47	54	57	66	65	62	54	48	46	44	47	642
1950	53	49	55	59	66	66	62	56	48	48	45	48	655
1951 1/	51	50	54	58	66	66	61	56	50	49	46	50	657
<u>WASHINGTON</u>													
1940-49 av.	128	125	149	174	211	205	193	175	153	145	127	126	1,912
1950	125	117	141	155	187	184	172	156	140	134	118	117	1,746
1951 1/	121	116	136	152	182	175	163	149	134	132	119	121	1,700
<u>OREGON</u>													
1940-49 av.	83	81	104	129	155	151	143	125	107	100	88	84	1,350
1950	77	75	99	121	143	140	132	117	100	91	81	77	1,253
1951 1/	75	74	94	116	138	133	124	109	96	90	81	78	1,208
<u>CALIFORNIA</u>													
1940-49 av.	401	395	482	522	548	515	507	480	434	427	398	400	5,508
1950	438	420	519	551	585	557	551	528	483	473	439	447	5,991
1951 1/	451	432	515	548	578	552	553	532	483	477	441	452	6,014

1/ Preliminary.

Table 11-Number of farms reporting milk cows and other dairy items, by States, 1950 ^{1/}

State and Division	All farms	Farms reporting milk cows on place	Farms reporting dairy products sold in 1949			Dairy Farms (basis source of income) ^{3/}	Farms reporting milking machines
			Milk	Cream	Other products ^{2/}		
Me.	30,358	18,337	7,366	1,296	2,769	4,944	4,770
N. H.	13,391	7,585	4,166	361	516	2,963	2,931
Vt.	19,043	14,660	11,865	390	480	10,822	9,832
Mass.	22,220	10,522	5,774	268	224	4,478	4,062
R. I.	2,598	1,297	783	37	11	630	493
Conn.	15,615	8,947	4,648	145	146	3,947	3,472
N. Y.	124,977	85,646	62,522	4,536	3,286	55,428	50,840
N. J.	24,838	9,076	4,810	121	195	4,081	3,803
Pa.	146,887	100,137	55,399	9,378	5,787	43,833	35,292
N. ATL.	399,927	256,207	157,333	16,532	13,414	131,126	115,495
Ohio	199,359	142,584	83,234	27,012	2,105	32,530	39,859
Ind.	166,627	117,620	65,853	27,477	731	15,956	28,121
Ill.	195,268	143,889	65,752	42,849	886	15,876	31,775
Mich.	155,589	105,990	62,997	28,429	1,209	45,729	42,264
Wis.	168,561	142,977	136,906	5,041	123	116,500	94,201
E.N.CEN.	885,404	653,060	414,742	130,808	5,054	226,591	236,220
Minn.	179,101	143,350	56,843	80,963	364	50,019	65,139
Iowa	203,159	168,599	22,510	123,418	172	7,887	42,305
Mo.	230,045	179,214	58,638	56,801	1,598	29,750	14,180
N.Dak.	65,401	49,220	2,632	41,244	84	2,510	7,612
S. Dak.	66,452	50,820	3,506	37,842	98	1,933	5,667
Nebr.	107,183	85,183	10,118	60,353	142	2,820	9,452
Kans.	131,394	98,932	22,797	53,473	267	8,534	13,266
W.N.CENT.	982,735	775,318	177,044	454,094	2,725	103,453	157,621
Del.	7,448	3,857	1,800	69	203	1,212	1,053
Md.	36,107	21,415	8,821	2,050	1,347	6,893	5,559
Va.	150,997	105,491	19,665	18,759	8,992	8,183	4,107
W.Va.	81,434	58,999	9,042	12,560	5,137	4,330	2,303
N. C.	288,508	153,908	21,371	4,477	13,326	5,242	3,570
S. C.	139,364	67,750	5,303	2,064	5,030	1,604	1,364
Ga.	198,191	115,205	8,675	4,644	12,864	2,914	3,029
Fla.	56,921	21,617	1,695	436	650	956	983
S.ATL. ^{4/}	958,998	548,246	76,374	45,060	47,549	31,334	21,968
Ky.	218,476	166,027	35,549	50,021	3,569	9,059	7,137
Tenn.	231,631	165,418	46,977	16,025	9,394	14,673	6,245
Ala.	211,512	145,359	13,131	5,589	13,518	2,600	2,124
Miss.	251,383	153,910	22,622	4,990	5,145	7,309	3,463
Ark.	182,429	116,546	16,132	17,859	5,504	6,591	2,893
La.	124,181	79,814	4,587	907	1,329	3,210	3,505
Okla.	142,246	107,233	18,801	35,477	1,229	8,336	7,592
Tex.	331,567	224,453	22,235	24,041	10,406	9,593	10,048
S.CENT.	1,693,425	1,158,760	180,034	154,909	50,094	61,371	43,007
Mont.	35,085	23,023	3,011	11,811	110	1,787	3,153
Idaho	40,284	30,830	18,391	6,295	73	6,229	11,782
Wyo.	12,614	9,175	1,471	3,851	37	836	1,081
Colo.	45,578	30,566	6,630	12,374	155	3,114	4,496
N. Mex.	23,599	12,407	1,714	1,536	227	647	923
Ariz.	10,412	4,994	1,523	256	108	848	2,103
Utah	24,176	16,471	8,996	1,782	98	3,617	3,869
Nev.	3,110	1,906	409	416	19	348	450
Wash.	69,820	43,893	17,403	9,856	327	10,569	11,529
Oreg.	59,827	38,396	13,173	10,060	175	6,644	9,163
Calif.	137,168	45,072	18,902	2,488	405	12,969	15,451
WEST.	461,673	256,733	91,623	60,725	1,734	47,608	64,000
U. S.	5,382,162	3,648,324	1,097,150	862,128	120,570	601,483	638,311

^{1/} Data from 1950 Census of Agriculture. Figures taken from preliminary State releases.^{2/} Chiefly farm-churned butter but also includes skim milk, buttermilk, cheese, etc.^{3/} Farms meeting the following requirements: (a) value of dairy products sold at least 30% of value of all products sold and (b) milk cows make up at least half the total cows and (c) the value of combined sales of dairy products and cattle and calves represent at least 50 percent of the value of all products sold.^{4/} Includes farms in the District of Columbia not shown separately.

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